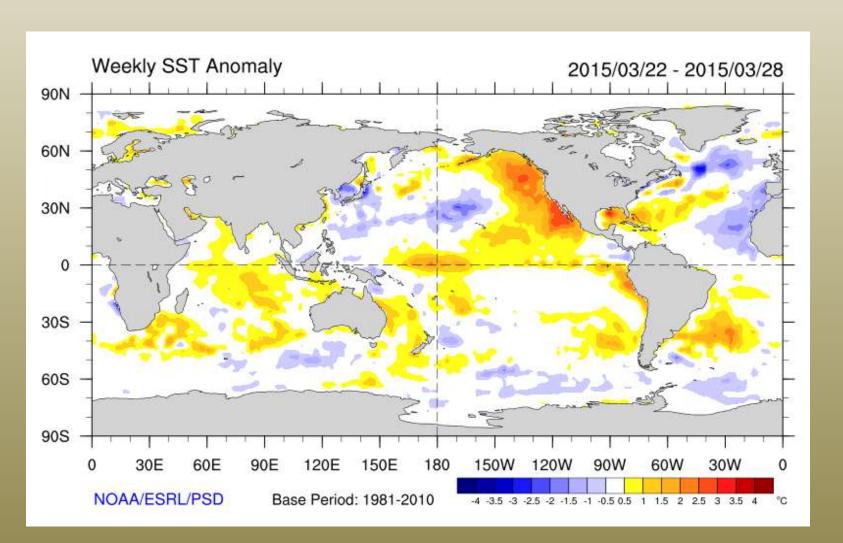
2015 Fire Season Outlook



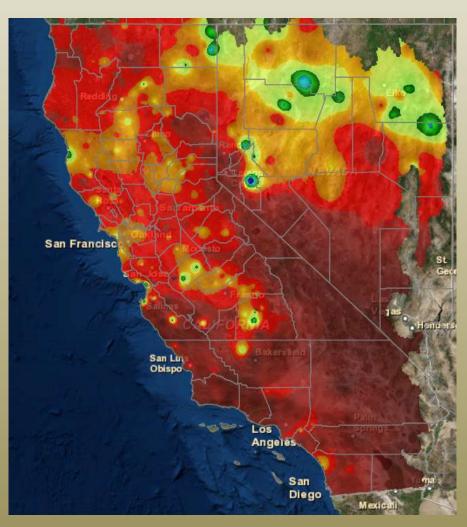
Tom Rolinski – Predictive Services

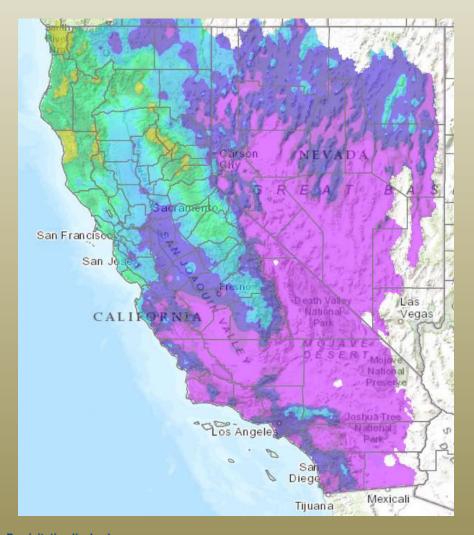
What happened to El Niño?

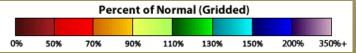
Atmosphere did not respond to changes in sea surface temperatures



November 2014

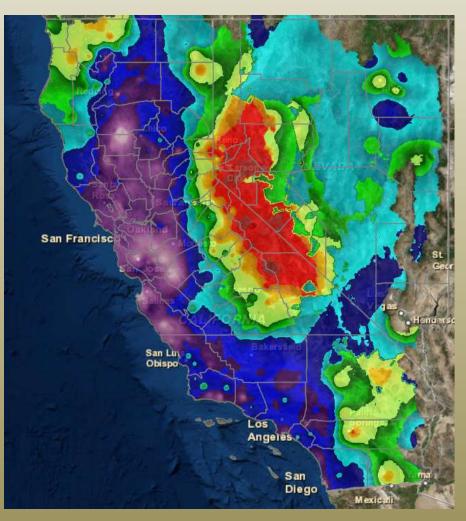


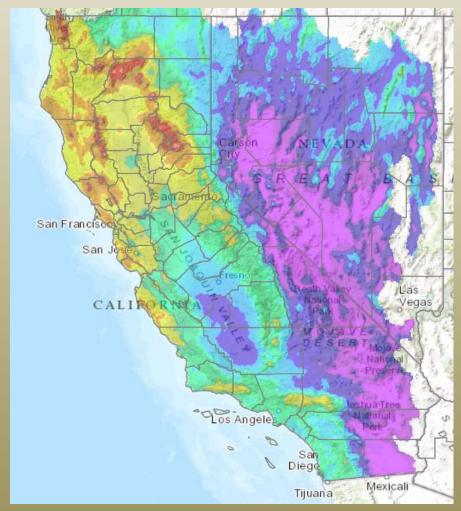




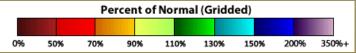


December 2014

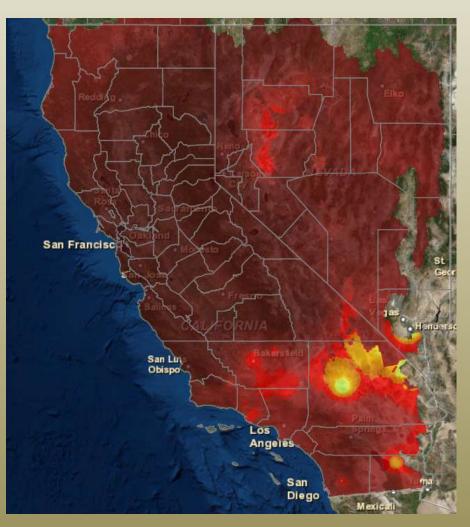


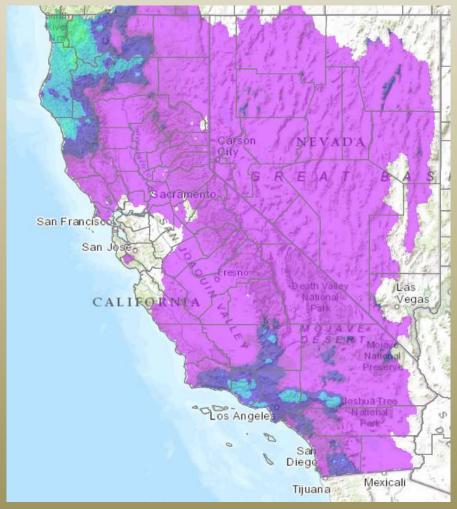


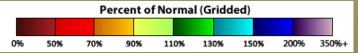
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January 2015

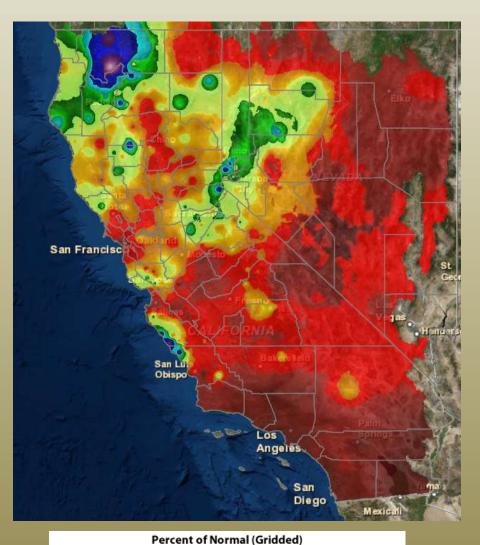








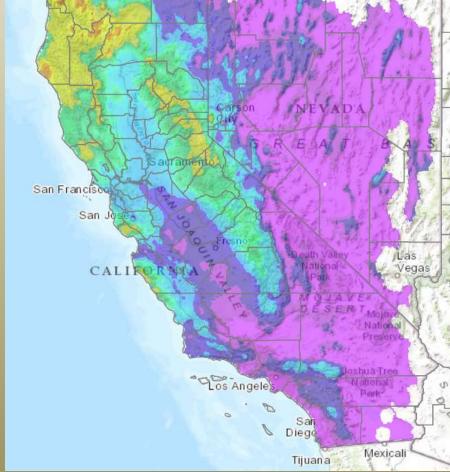
February 2015



110%

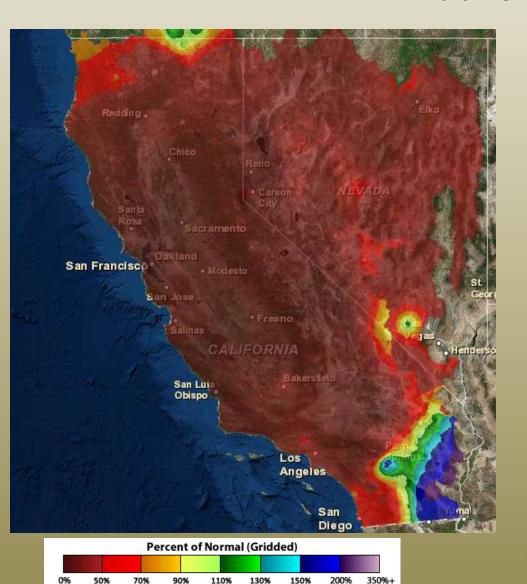
130%

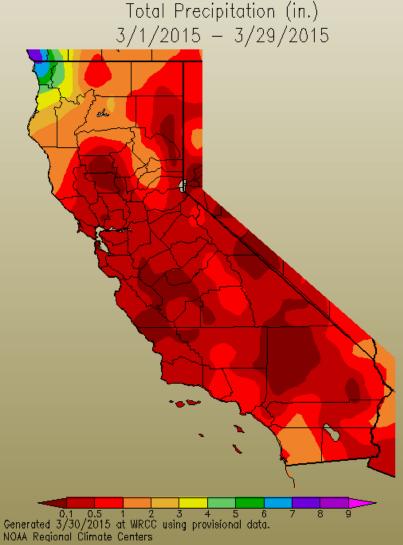
150%



7.00 10.50 14.00 17.50 21.00 24.50 28.00 31.50 35.00 38.50 42.00

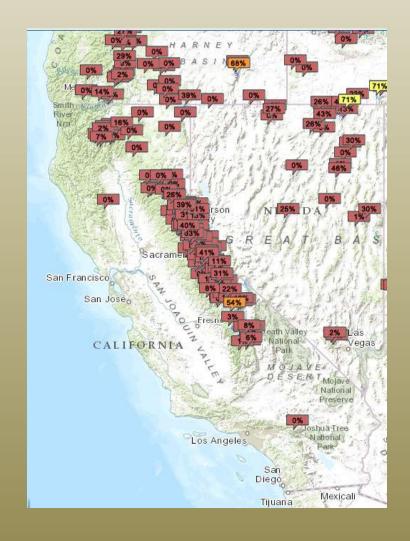
March 2015



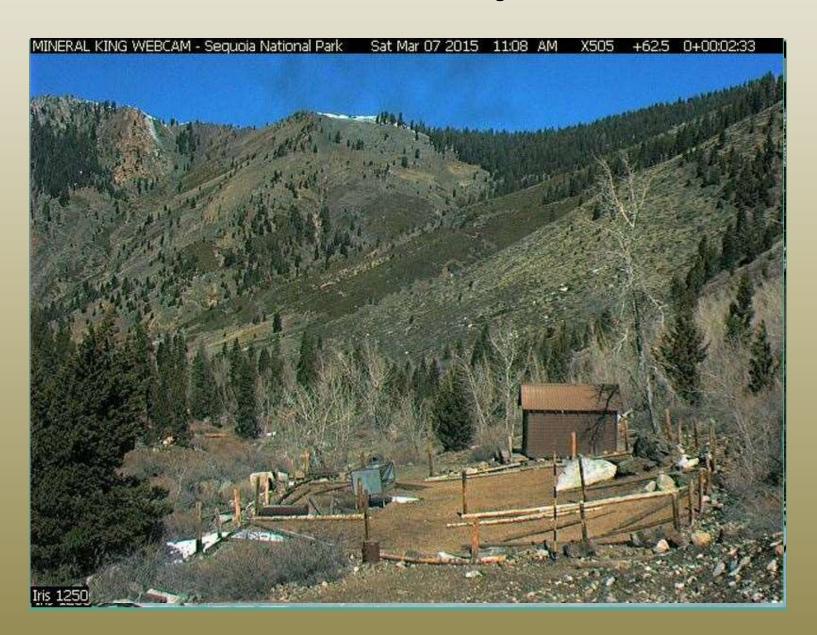




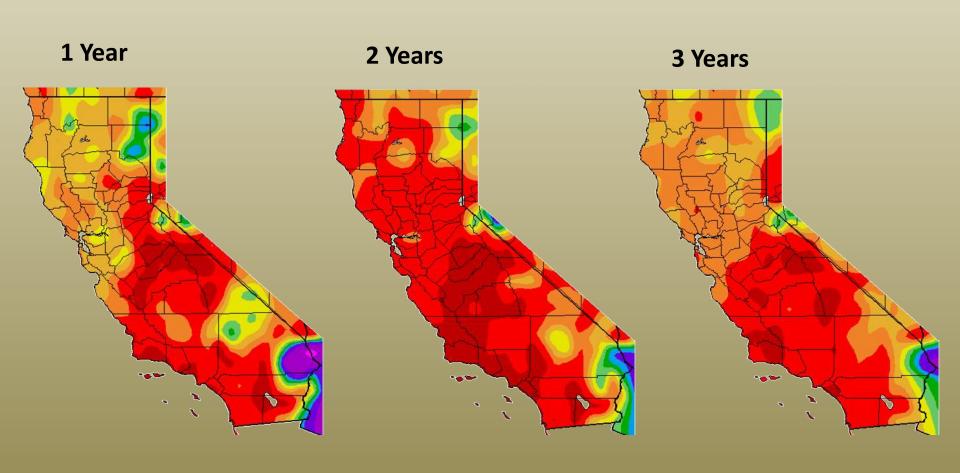
High Resolution Composite Satellite imagery (Feb 1 – March 5) showing snow cover



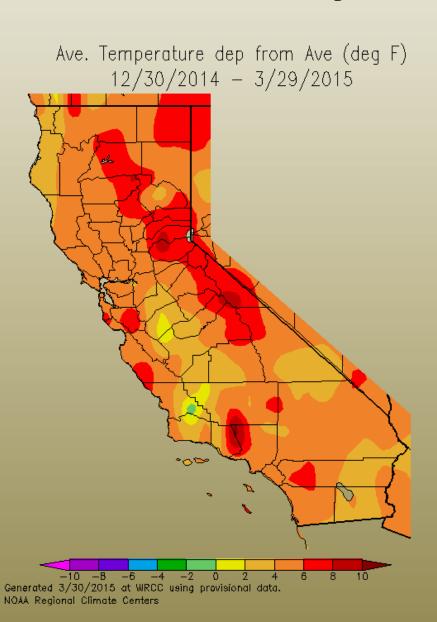
Sierra Snowpack

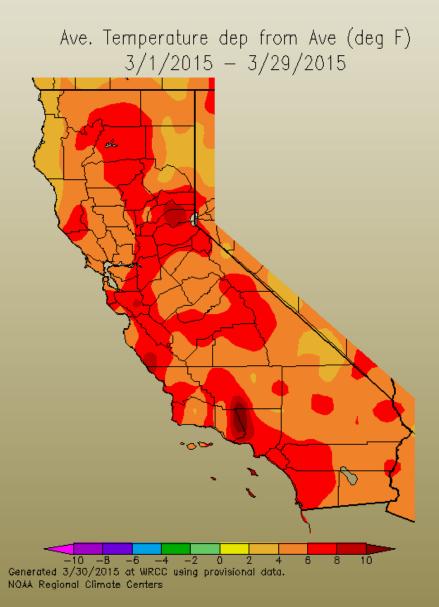


California's Precipitation



A Very Warm Winter





Types of Drought

Meteorological

Occurs when precipitation is deficient across an area for a prolonged time period

Agricultural

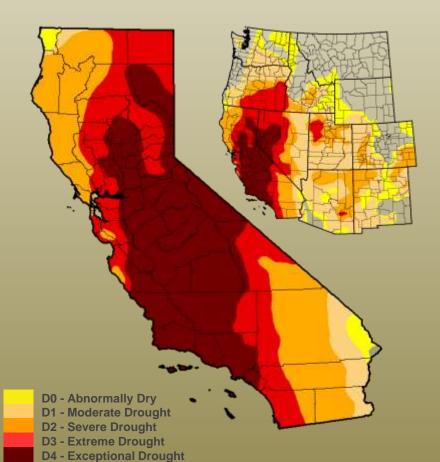
- Results in a loss of crop production.
- Can occur independently from a meteorological drought when soil erosion restricts water supply to crops

Hydrological

- Occurs when water reserves fall below statistical averages
- Can occur independently if water is diverted to another area

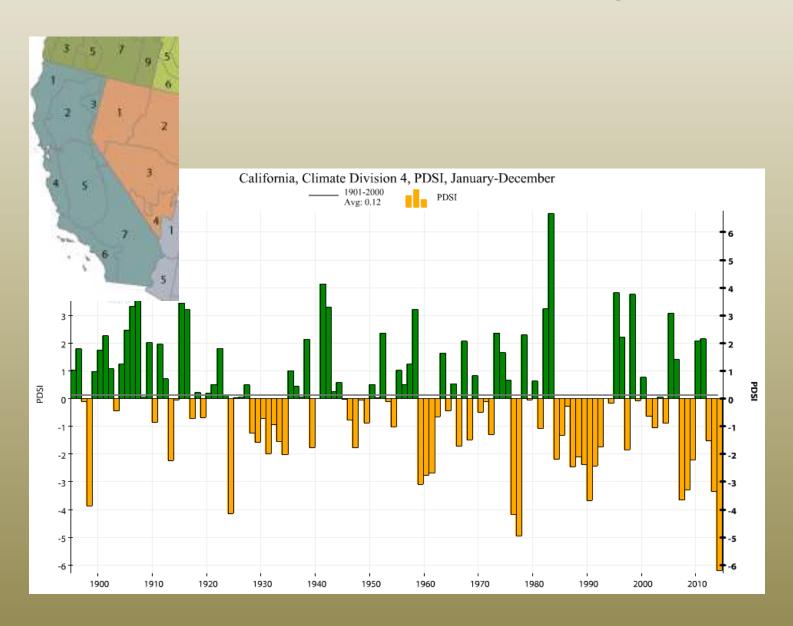
California's Ongoing Drought

Drought Monitor – March 31, 2015

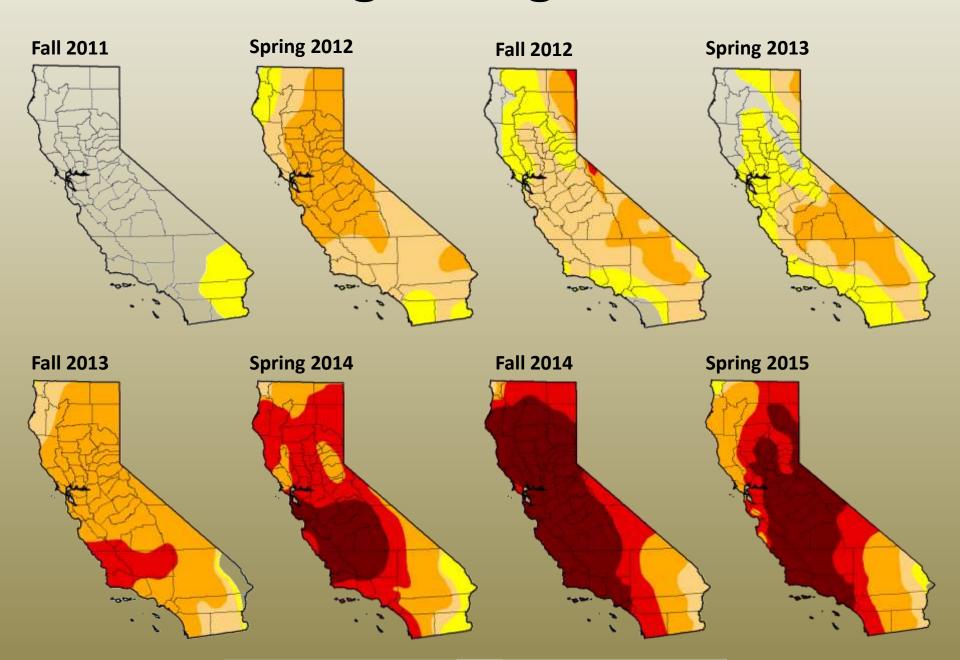




How bad is the drought?



Drought Progression



Drought Stress



- Native brush is being stressed due to long term drought conditions
- The amount of dead fuel is increasing throughout the region



Bug kill in the southern Sierra

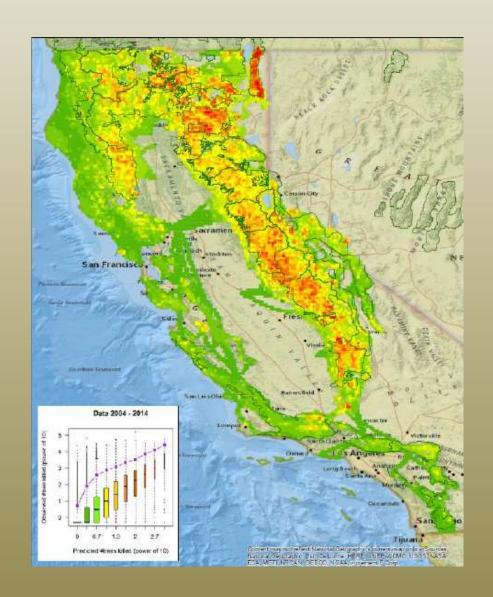


- Tree mortality has been steadily increasing across the Sierra and Sequoia NFs over the last several years
- Large stands of dead trees are becoming more prominent



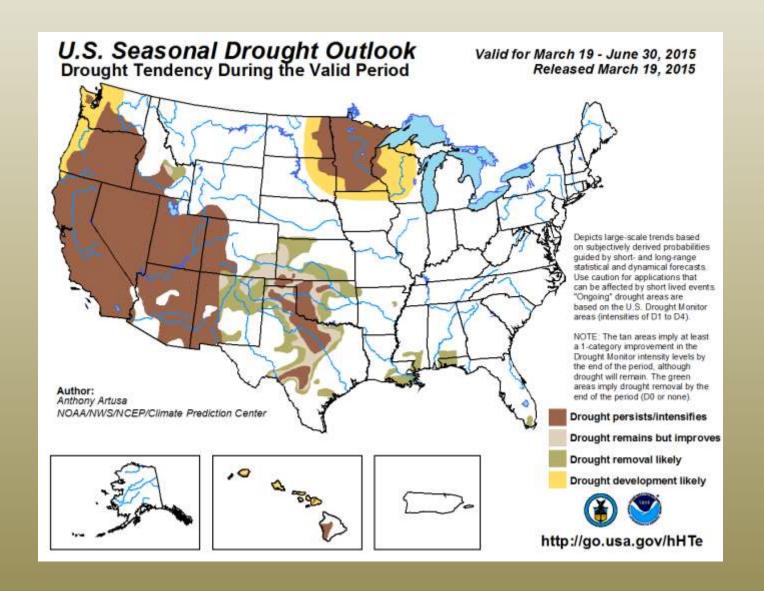


Predicted Tree Mortality for 2015



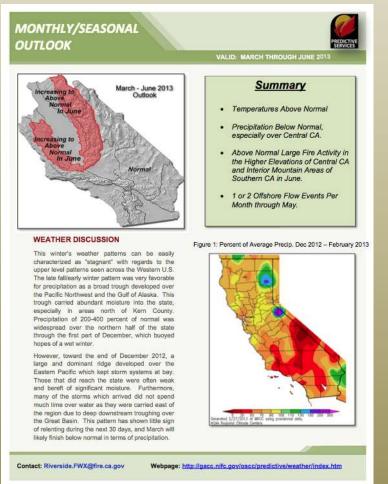
- Over 2 million trees died from bark beetles across 820,000 acres in 2014, which is double the acres with mortality from 2013.
- A dramatic increase in tree mortality is anticipated this year.

Drought Forecast



Monthly/Seasonal Outlook

http://gacc.nifc.gov/oscc/predictive/outlooks/myfiles/assessment.pdf

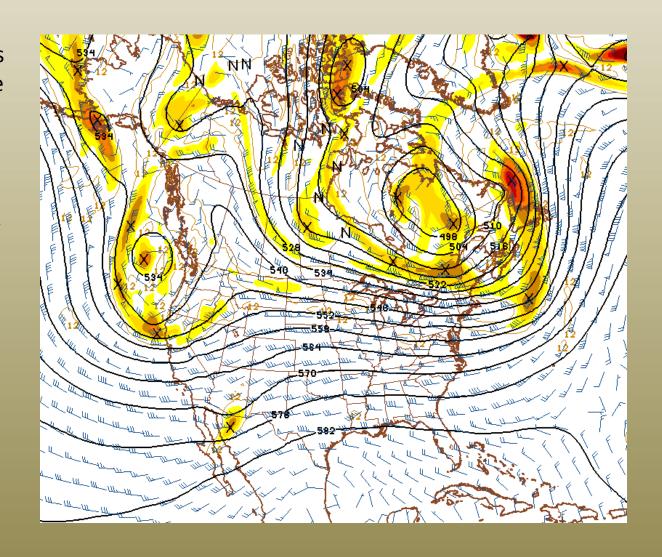




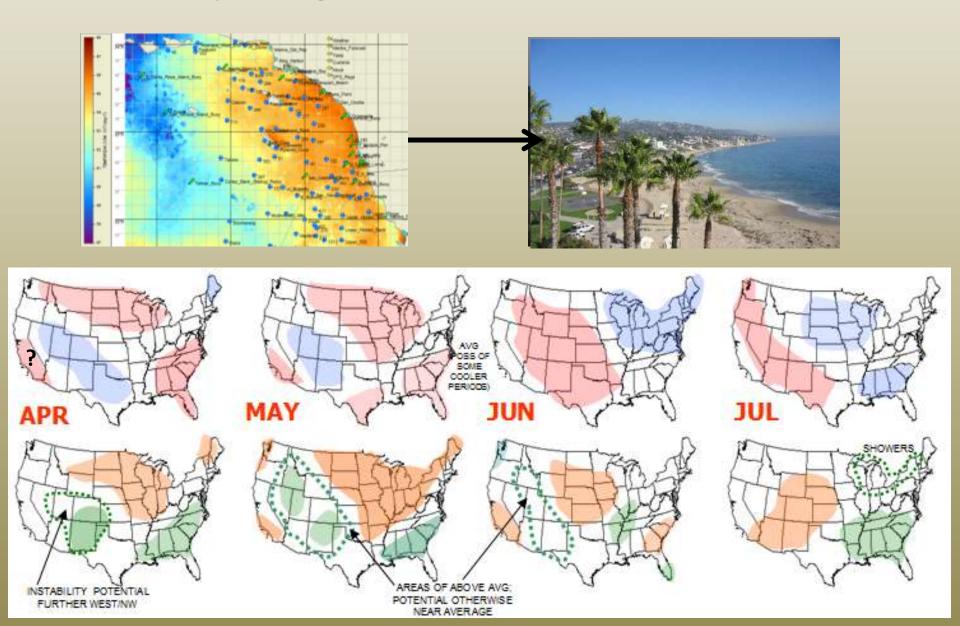


Spring Outlook

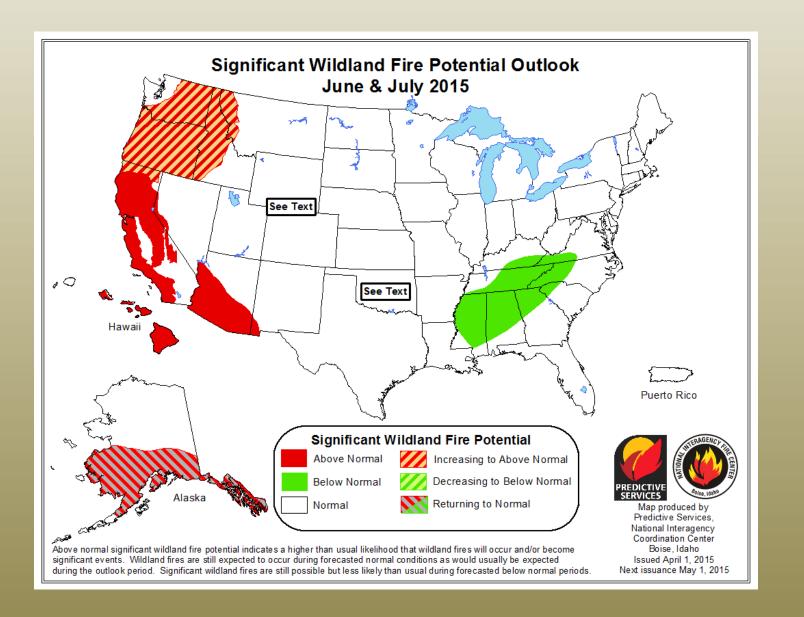
- The Eastern Pacific has recently become more active and it should remain active for the next 2 to 3 weeks.
- Temperatures will average near to below normal for the first half of April and precipitation will average near normal.
- Transitioning to a warmer and drier pattern toward the end of April and into May.



Spring/Summer Outlook



Outlook through July



Latest Fuel Conditions



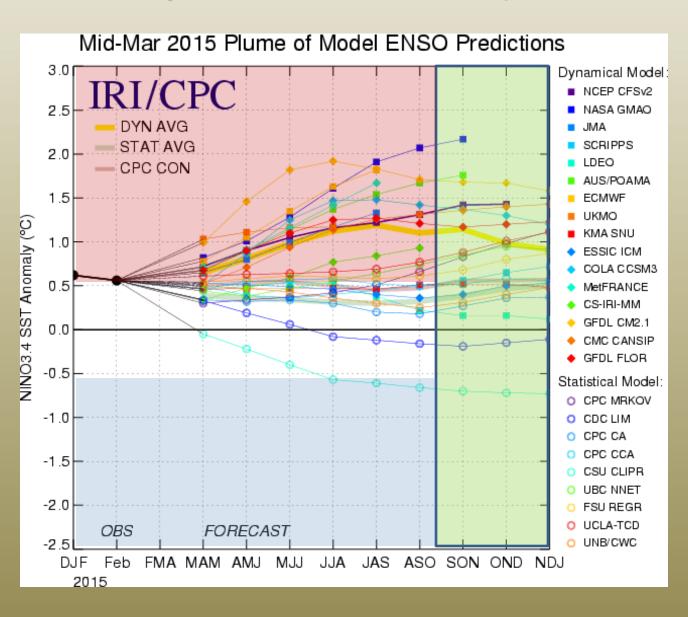
- Grasses are mostly cured on south facing slopes below 3,000 feet.
- Grasses will likely cure across the back country and higher elevations within the next month.



Fire Season Highlights

- Temperatures will average above normal through July
- Precipitation will average below normal through July
- Fire season expected to begin earlier than normal.
- Summer Monsoon could be active again this year across the deserts and the Sierra.
- Pacific tropical season has the potential to be very active
- Greatest fire potential will be across the southern and central Sierra as well as the southern portion of the LP
- If fire suppression efforts remain aggressive and number of ignitions are below normal, then significant fire activity will be at a minimum despite very dry fuel conditions.

A glimmer of hope?



Thank you and be safe!

Tom Rolinski thomasrolinski@fs.fed.us 951-782-4849

http://gacc.nifc.gov/oscc/predictive/weather/